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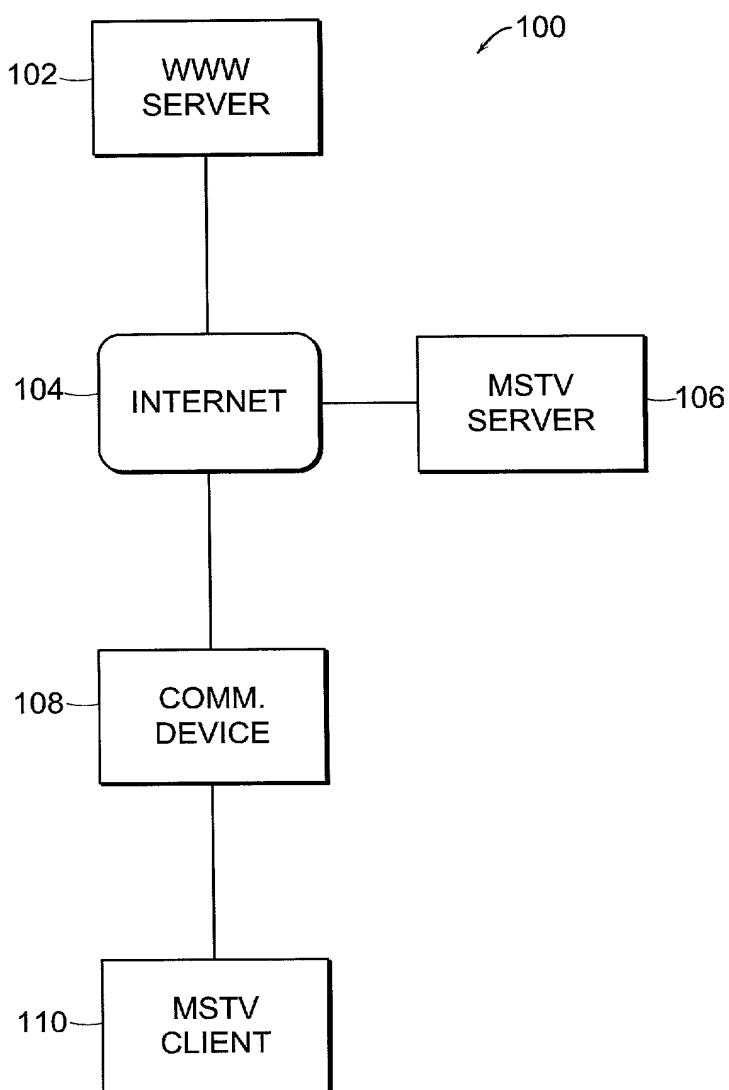


FIG. 1

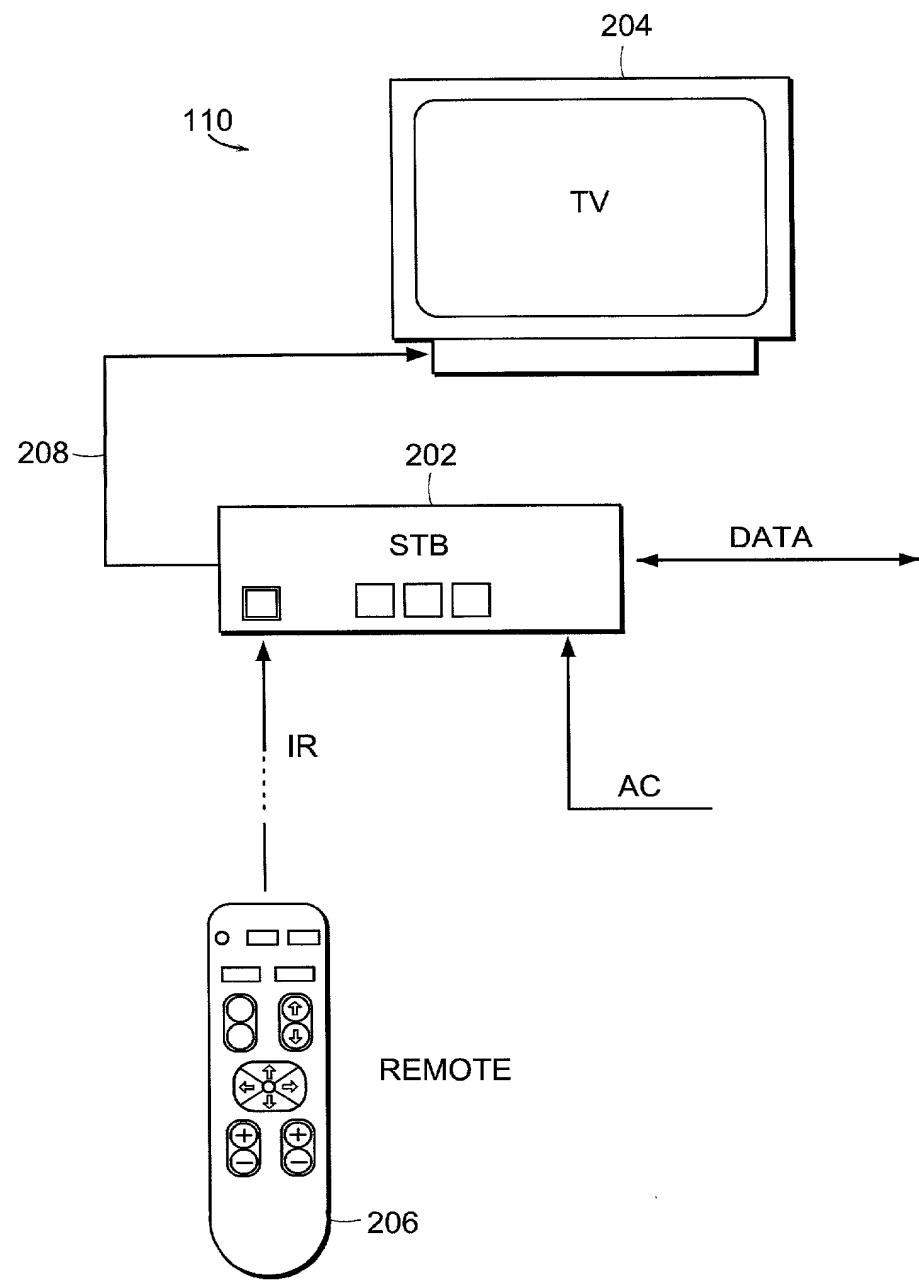


FIG. 2

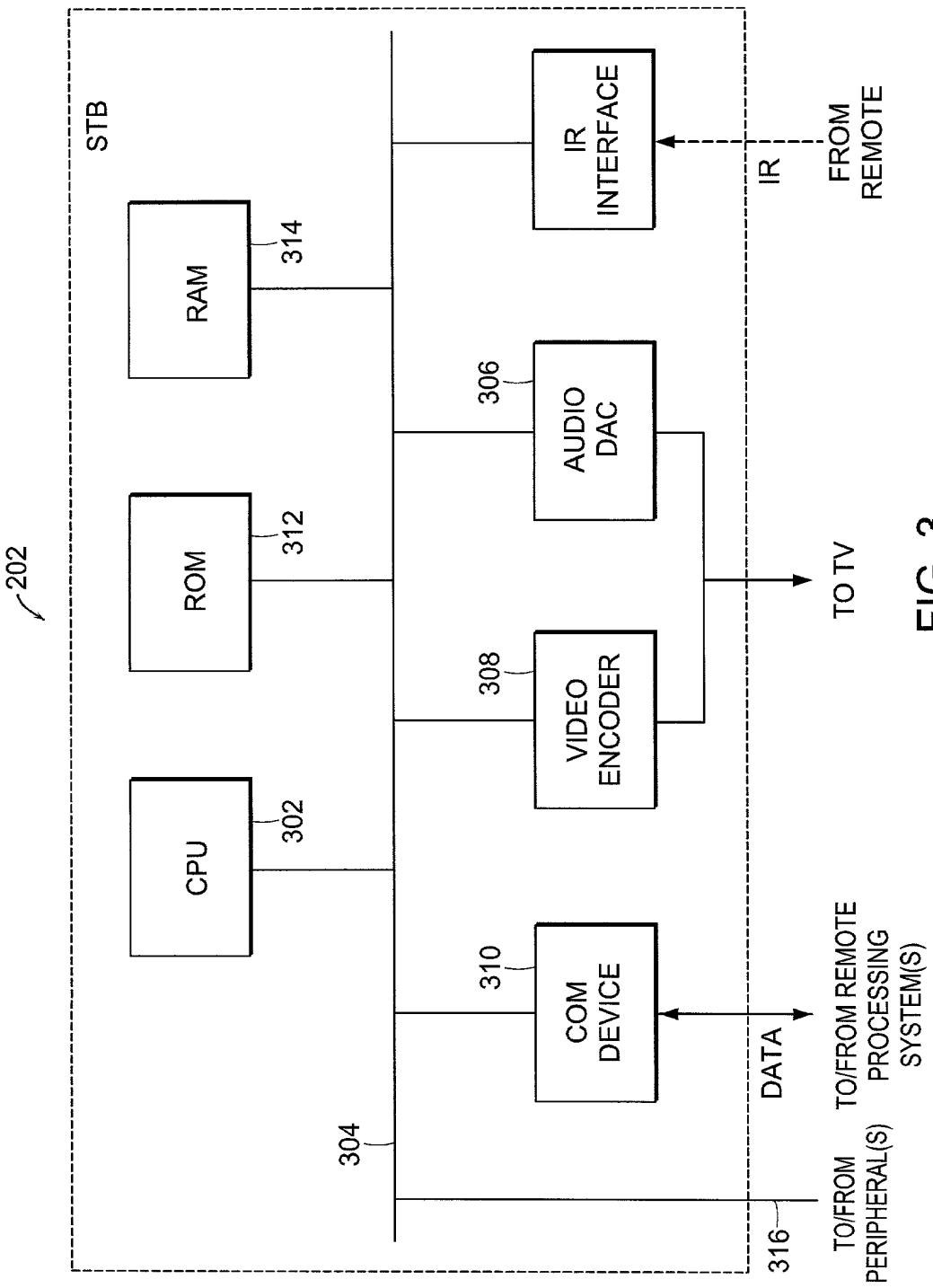


FIG. 3

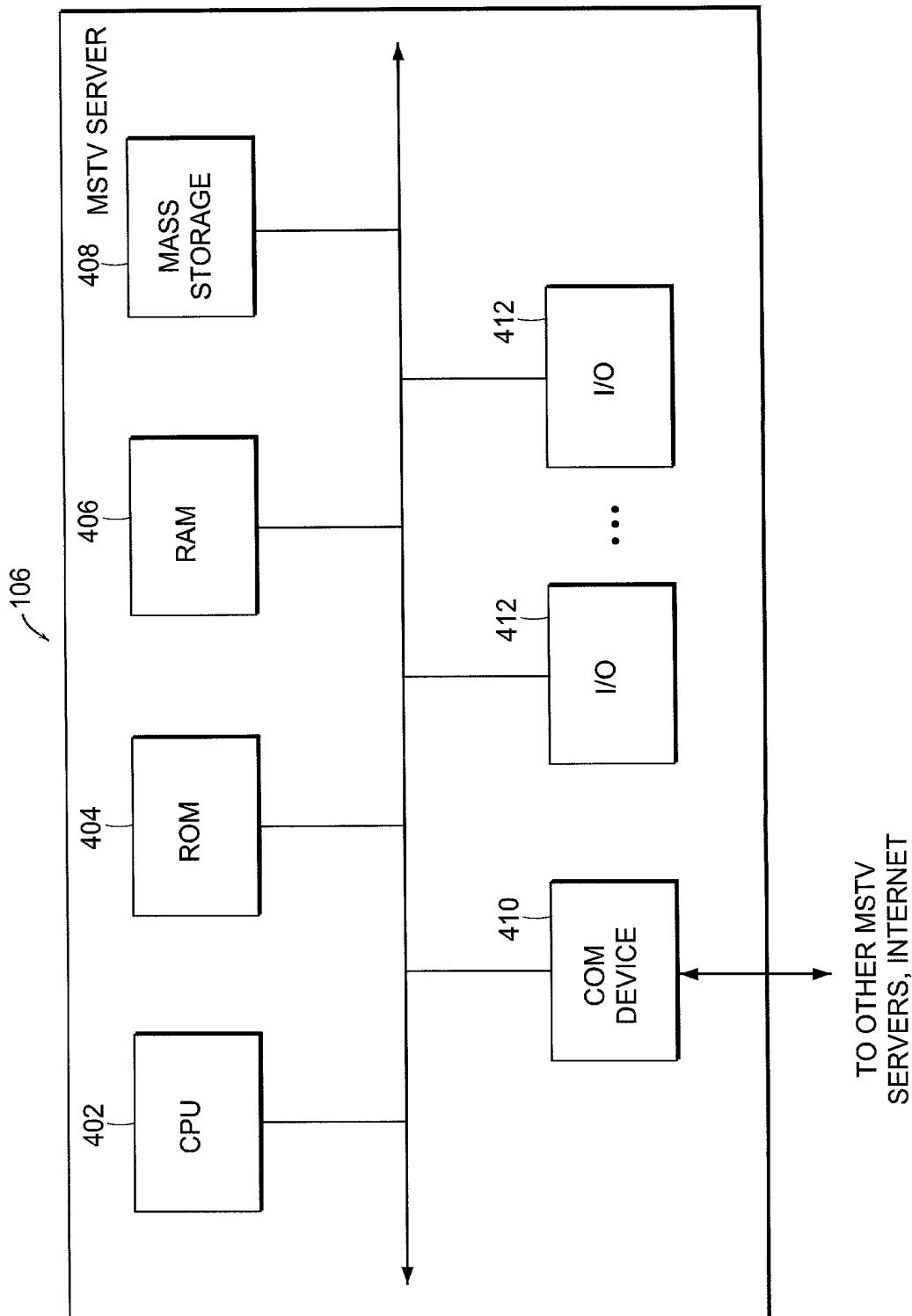


FIG. 4

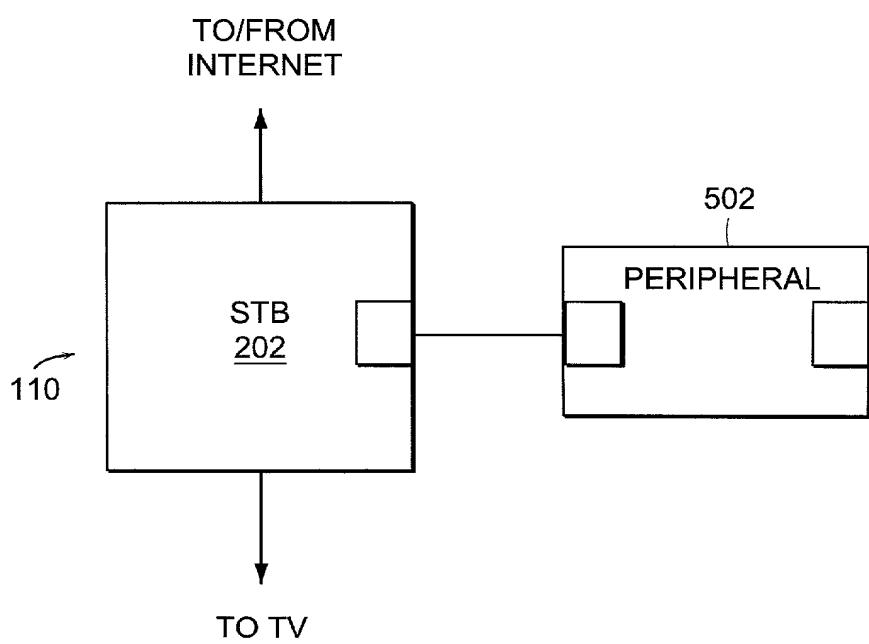


FIG. 5

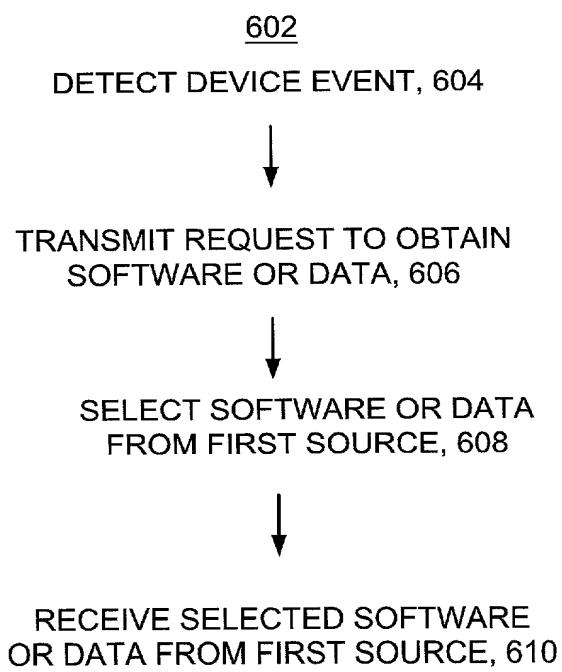


FIG. 6A

612

DETECT DEVICE EVENT, 614



TRANSMIT REQUEST TO OBTAIN SOFTWARE OR DATA, 616



SELECT SOFTWARE OR DATA FOR PERIPHERAL DEVICE, 618



RECEIVE SOFTWARE OR DATA FROM FIRST SOURCE, 620

FIG. 6B

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622

DETECT DEVICE EVENT, 624



EXECUTE CORRESPONDING FUNCTION, 625

FIG. 6C

626

RECEIVE PERIPHERAL DEVICE SIGNAL, 628



PROCESS SIGNAL TO GENERATE
INTERMEDIARY SIGNAL, 630



TRANSMIT INTERMEDIARY SIGNAL
TO DIGITAL PROCESSING SYSTEM, 632

FIG. 6D

09916321 "A" DECODE

634

RECEIVE PERIPHERAL DEVICE SIGNAL, 636



PROCESS PERIPHERAL DEVICE SIGNAL, 638



EXECUTE CORRESPONDING FUNCTION, 640



OPEN COMMUNICATIONS CHANNEL BETWEEN
CLIENT AND DATA/SOFTWARE SOURCE, 642

FIG. 6E

DRAFT REQUEST FOR RELEASER

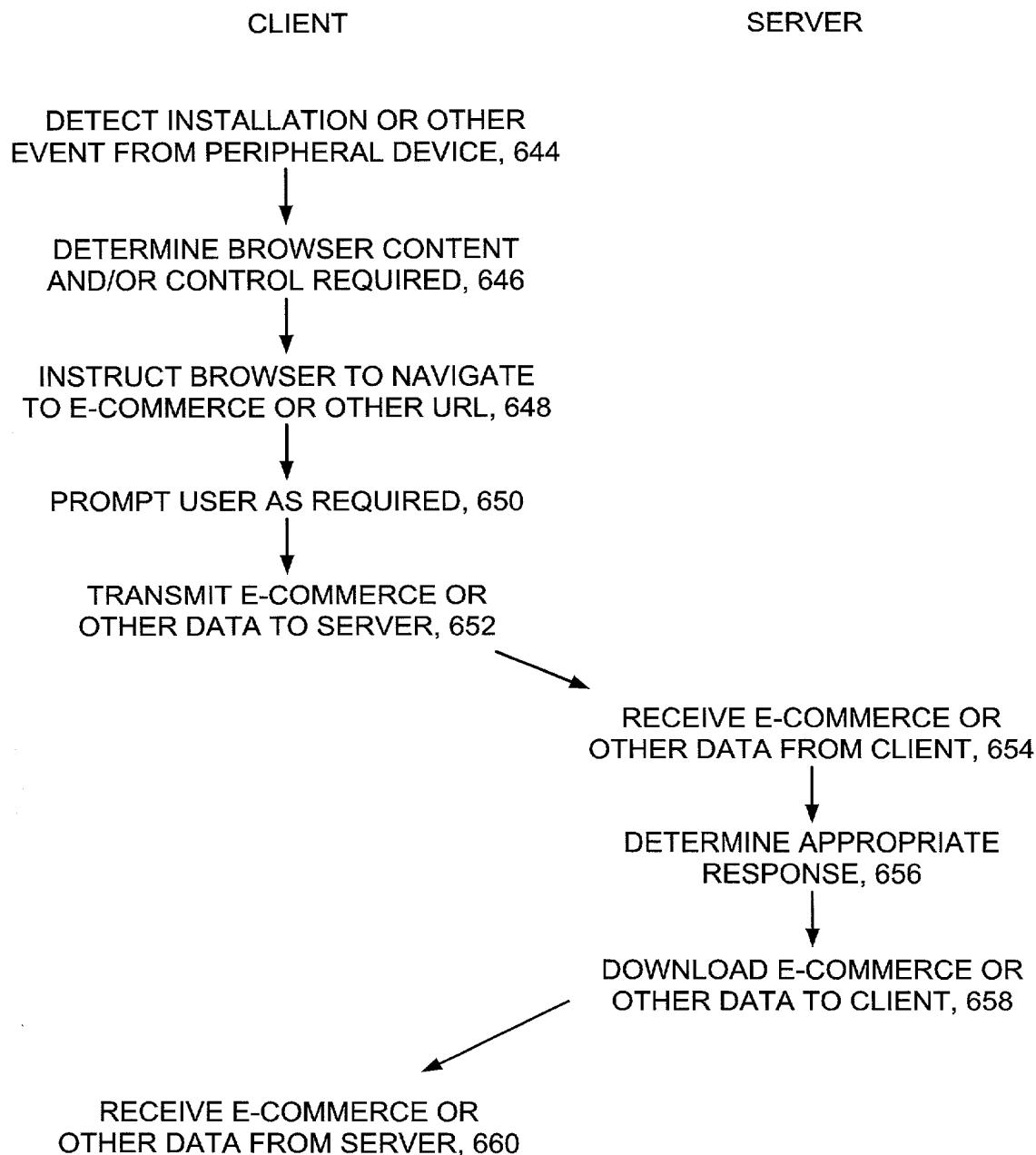


FIG. 6F

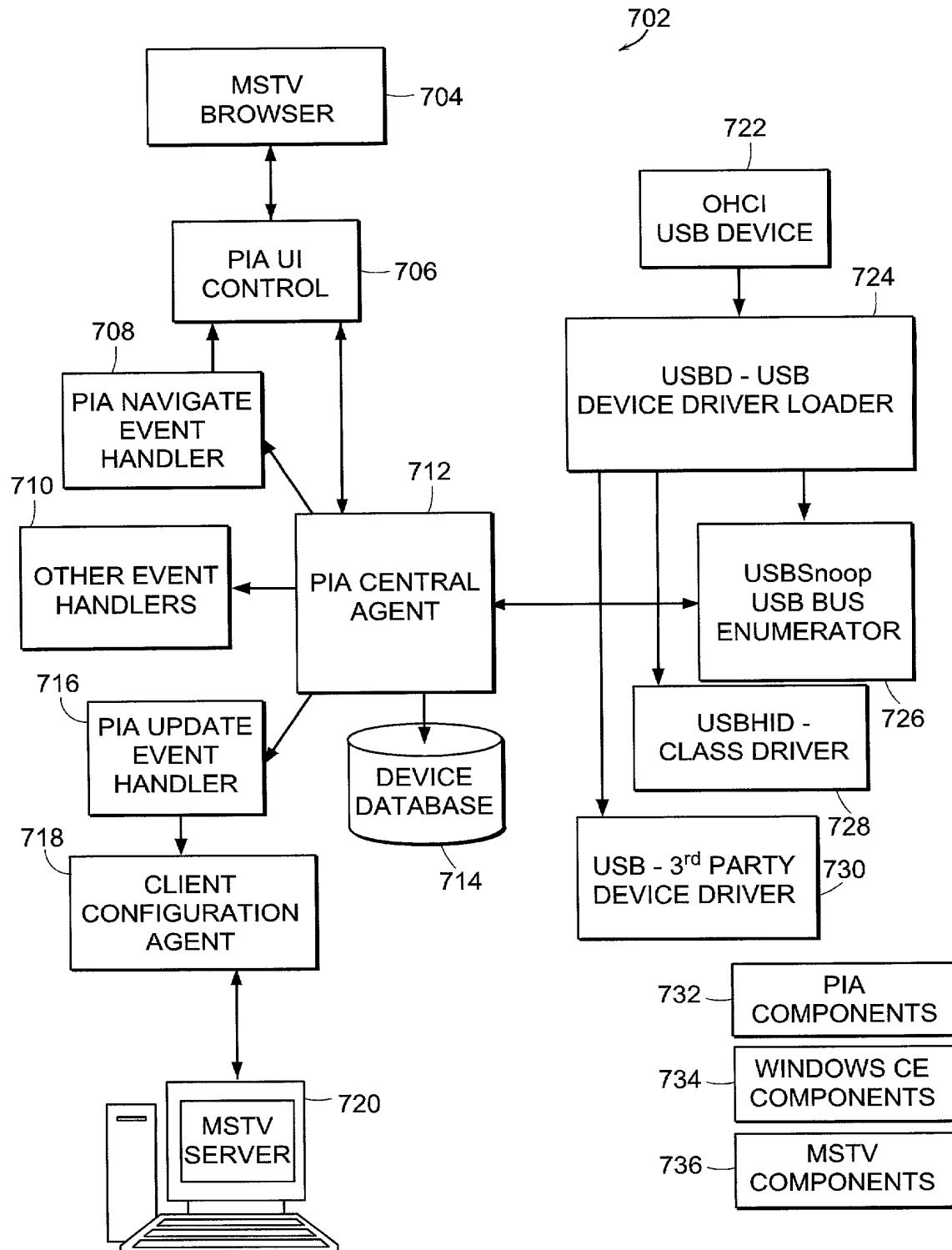
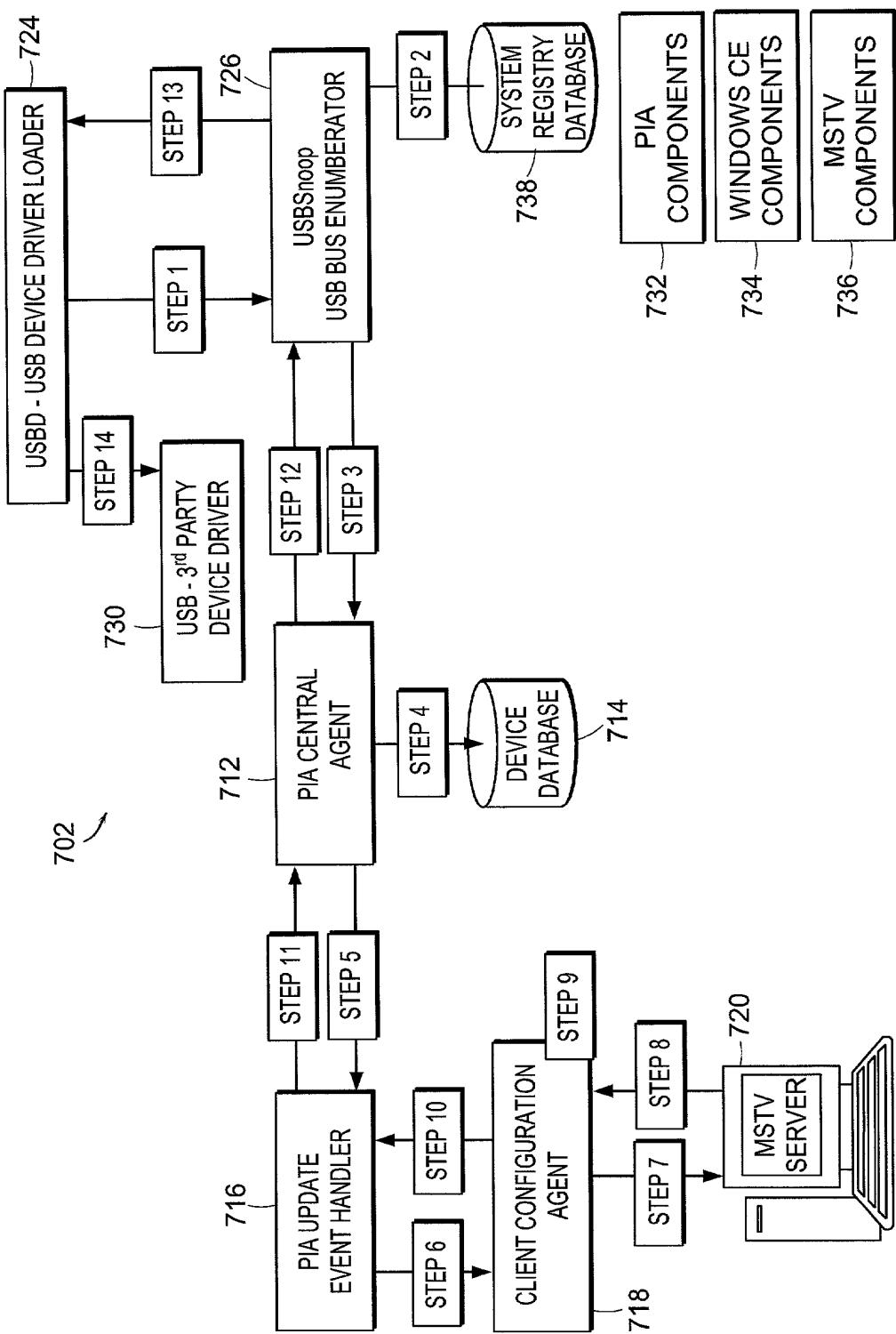


FIG. 7



8
FIG.

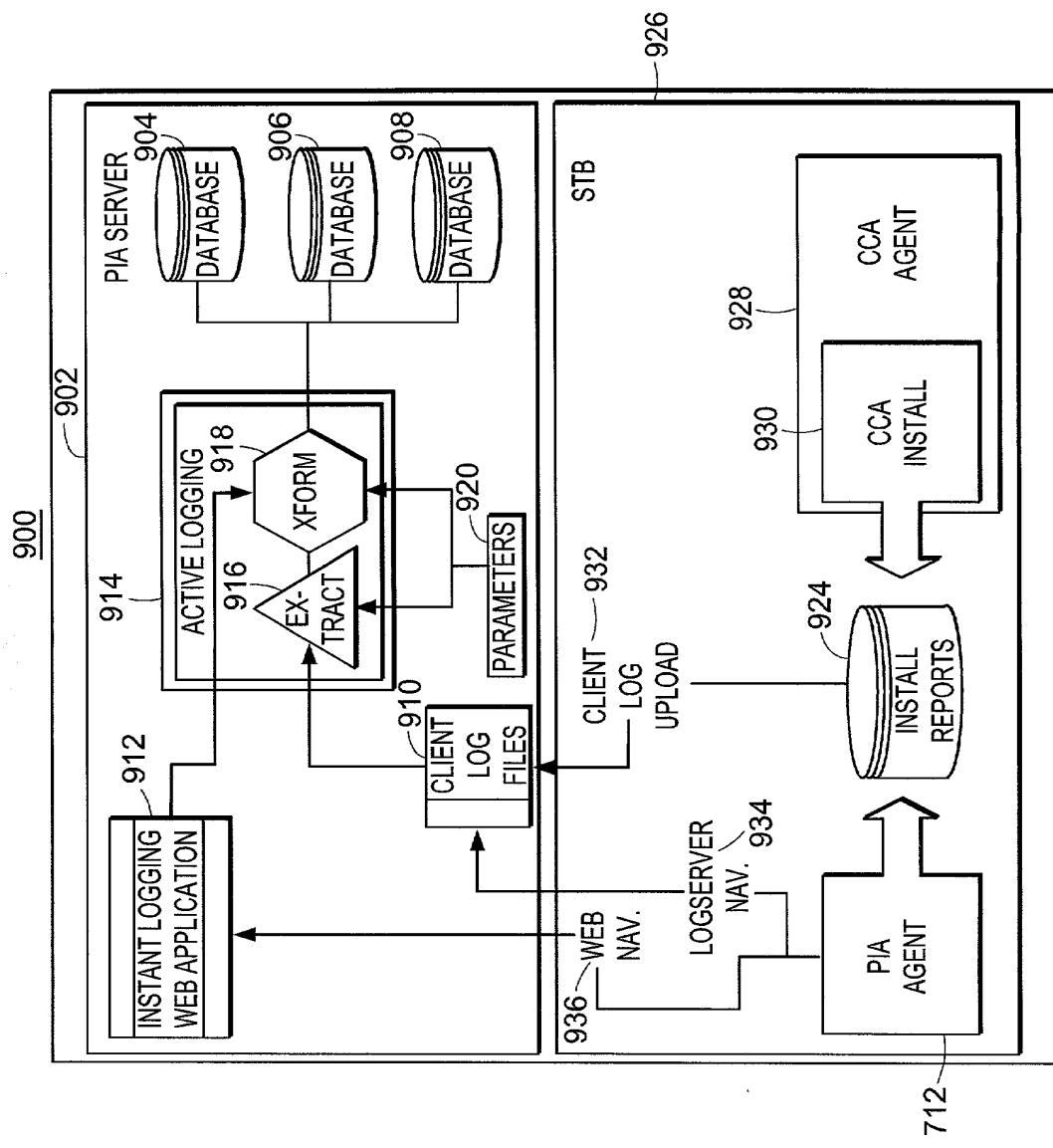


FIG. 9

NON-INTERACTIVE:

STEP 1: O ADDS ENTRY TO HANDLE *ds*
 INSERTION INTO *s* INTO PIADevice.xml.,
 AND UPDATES CCS

STEP 2: O PREPARES EXTRACTOR XSL STYLESHEET,
 DEFINES HOW STB ID IS TRANSFORMED INTO USER ID,
 ADDS OTHER DETAILS W NEEDS TO COMPLETE TRANSACTION

STEP 3: CLIENT ASSEMBLES DATA AND MESSAGE
 STRUCTURE, SENDS MESSAGE

STEP 4: S RECEIVES MESSAGE AND CREATES USER RECORD

STEP 5: S FORWARDS RECORD TO *E*;
E ENTERS TRANSACTION IN ITS PROCESSOR

INTERACTIVE:

STEP 1: O ADDS ENTRY TO HANDLE *ds*
 INSERTION INTO *s* INTO PIADevice.xml.,
 AND UPDATES CCS

STEP 2: O PREPARES TRANSFORMER XSL STYLESHEET
 (W/ URL OF WEBSITE WHERE APPROPRIATE)

STEP 3: PIADEVICE.xml CONTAINS, FOR *d*'s ACTIVATION ON *s*,
 NAVIGATE DIRECTIVE TO DIRECT PACKAGING OF ARGUMENTS;
 REQUEST IN HTTP TO WEB SERVER

STEP 4: WEB SERVER CREATES CUSTOMER RECORD, USES XSL TRANSFORMATION
 STYLESHEET TO PREPARE RECORD, AND WHERE APPROPRIATE, *w* CONNECTS INTERACTIVE
 APPLICATION ON *e* TO *s*, SENDING *e* THE INITIAL DATA IT TRANSFORMED

FIG. 10

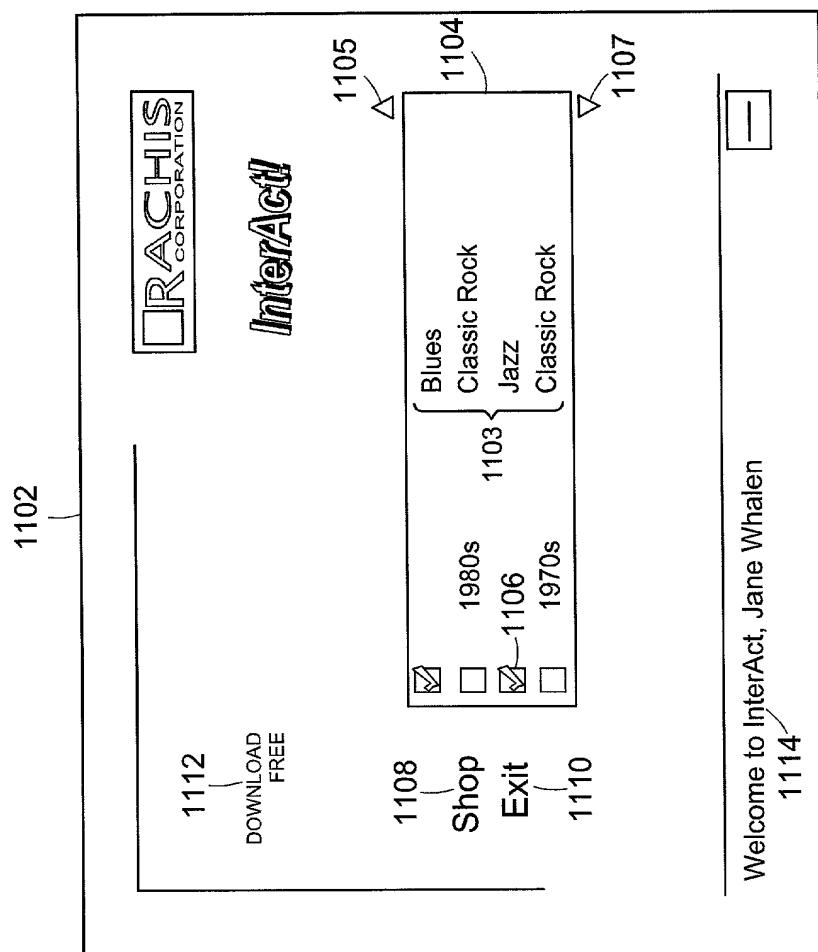


FIG. 11

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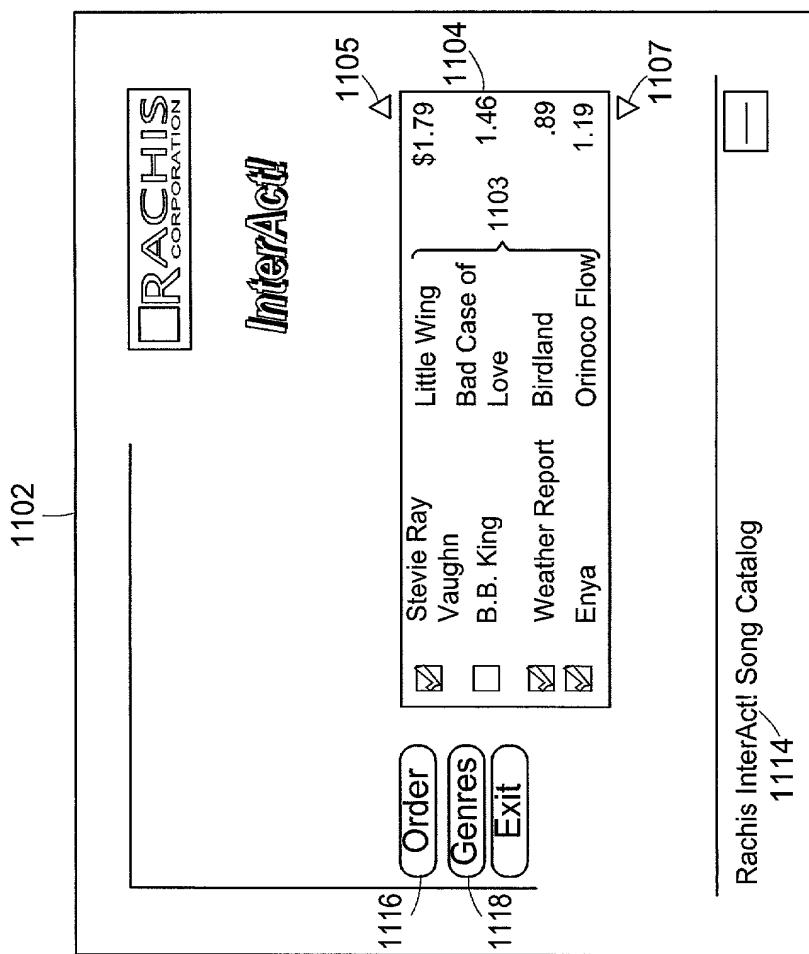


FIG. 12

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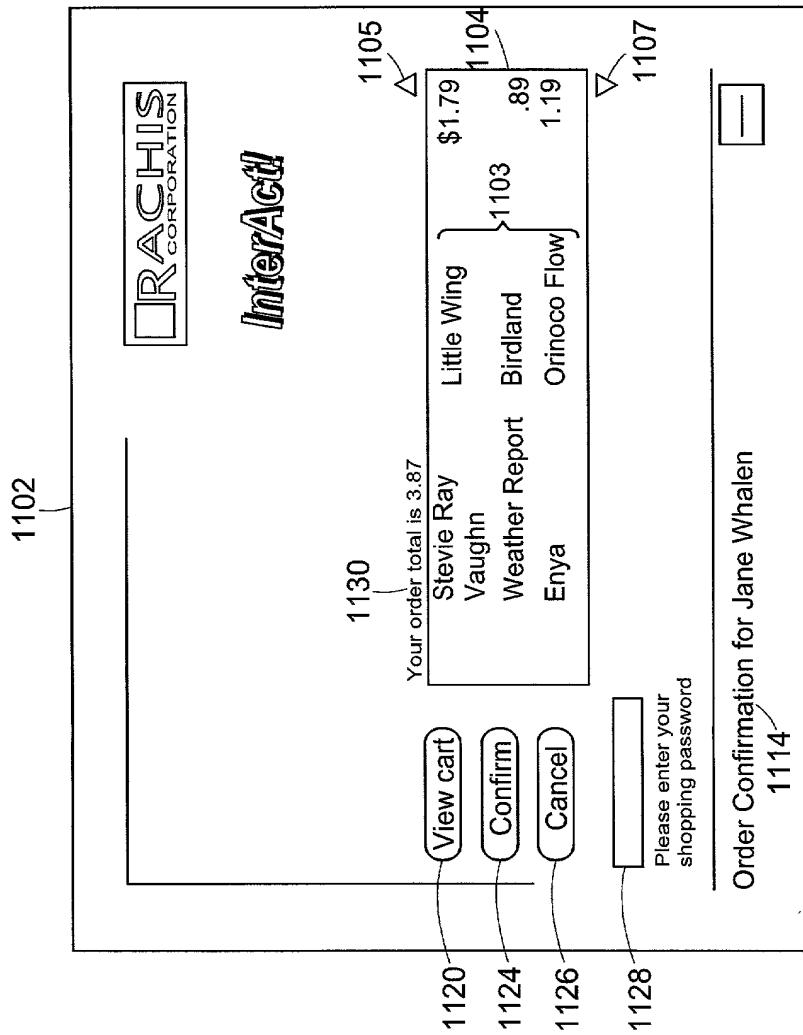


FIG. 13

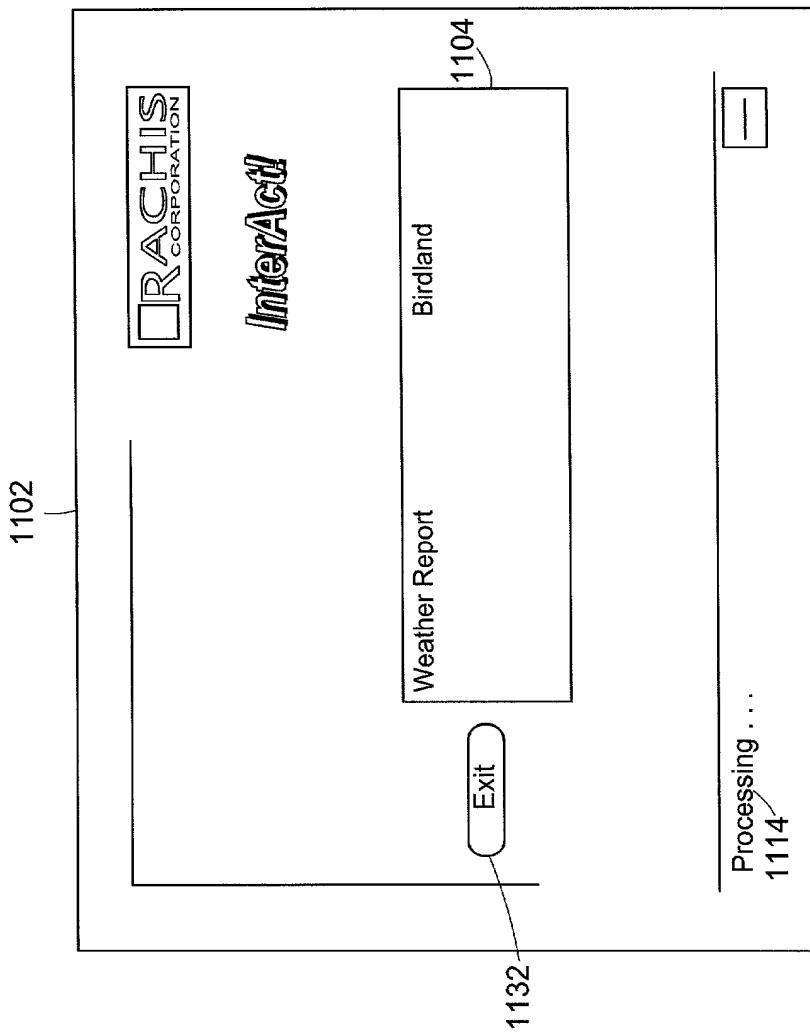
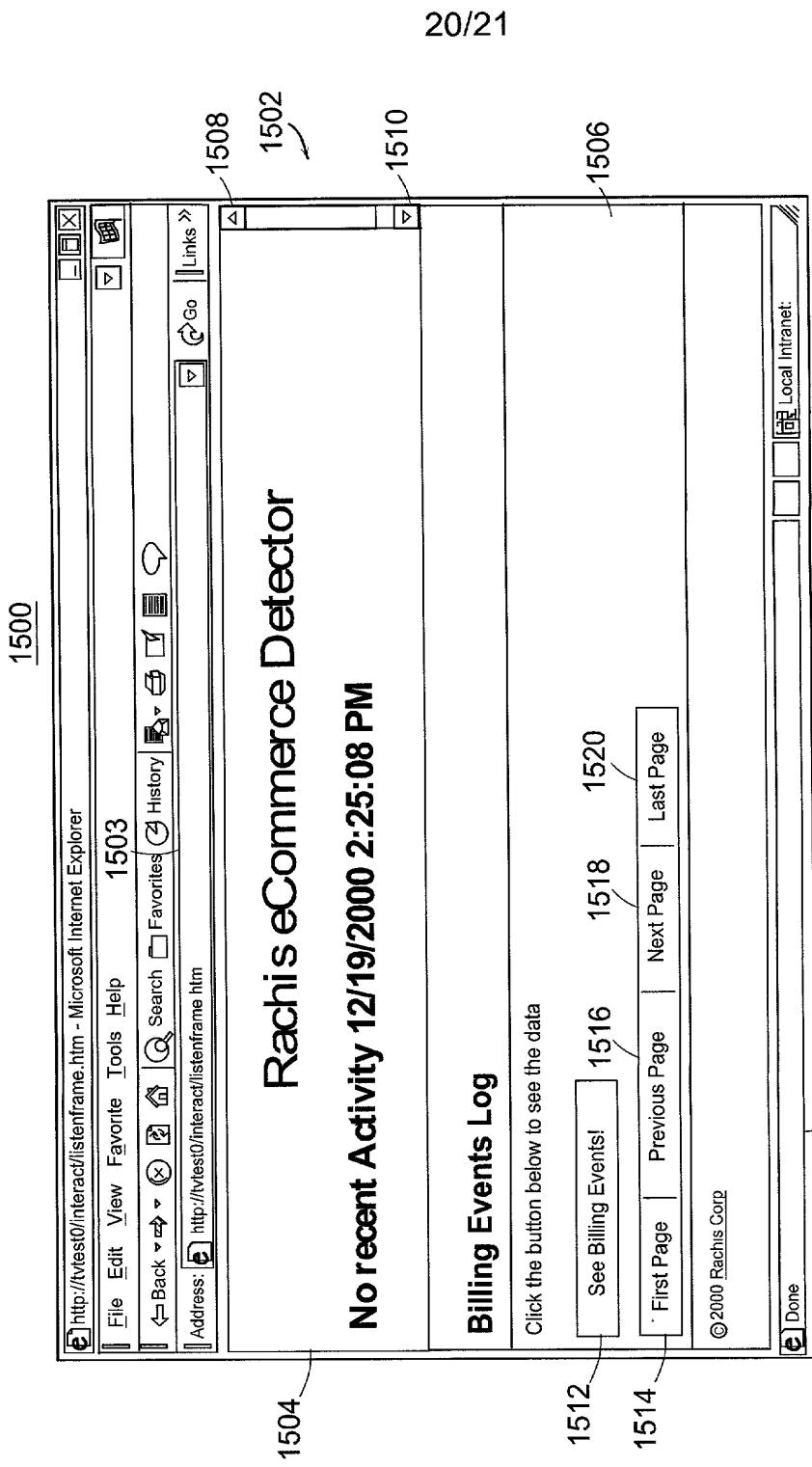


FIG. 14

FIG. 15



1500

1503

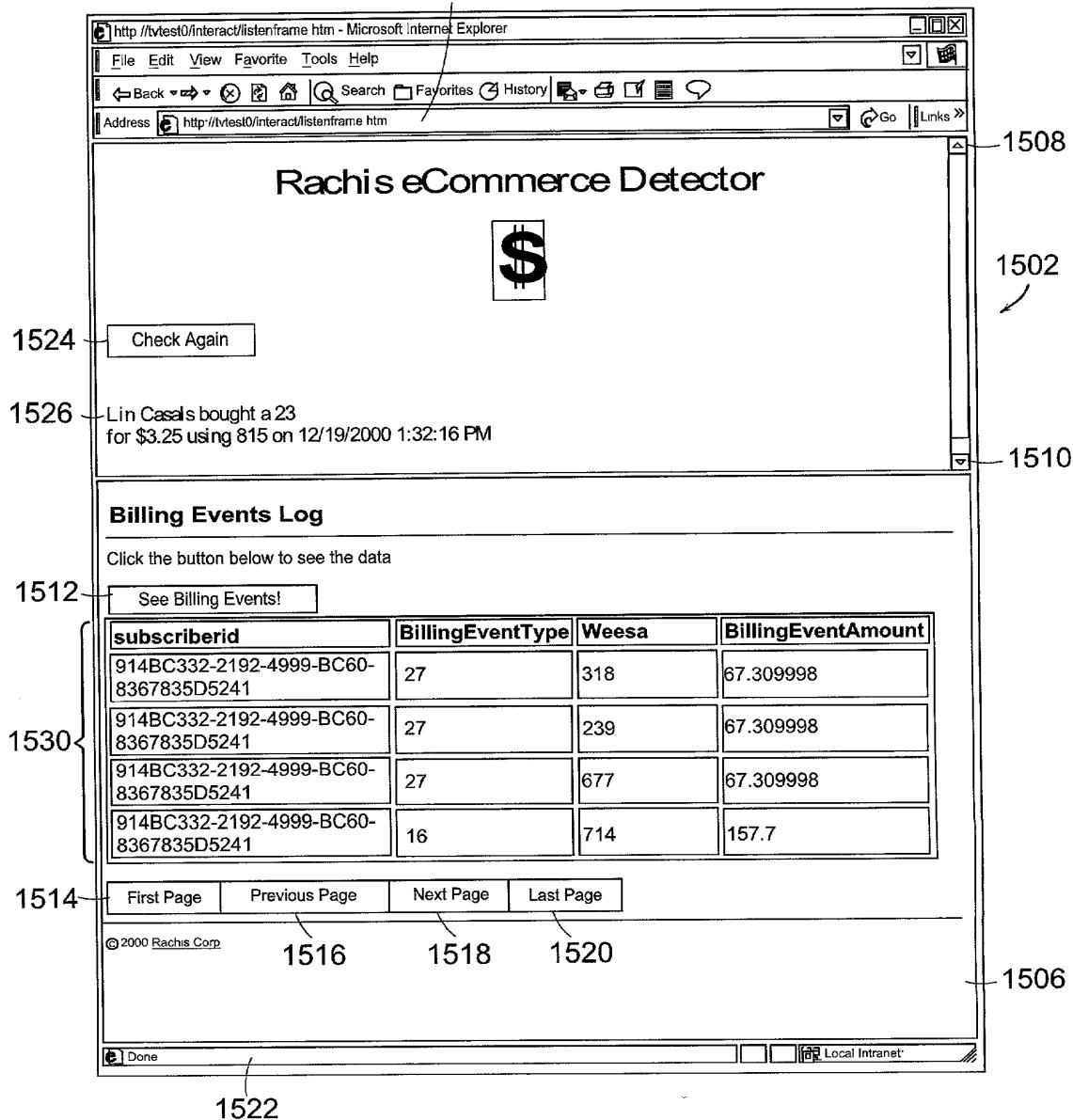


FIG. 16